



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

D5373-7

Job Sheet 188601



Part No: D5373-7

Job Qty: 15 pcs

Part Name: Oil Drain Line



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 1/11/19

Job Tracking No:

Created By: Chantal Lavoie

Due Date: 1/31/19 *June 21, 2019*

Description:

Note: D5373 REV E IPP REV:A 17.05.17 NEW ISSUE DD VERF:JFS IPP REV:B 17.09.15 AS PER DWG.E DD
VERF:DP IPP REV:C 17.11.14 REVISE R&B/NOT UPLOADED CORRECTLY DD VERF:DP

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier	Sign-off
					Setup Hrs	Run Hrs		
100	Purchasing	15 pcs	<i>OP</i>	1/31/19	0.00	0.00	Purchasing - 1	
							Purchasing - 2	
							Purchasing - 3	<i>OP</i> APR 16 2019
110	Packaging 2-1 - Receive -	15 pcs		1/31/19	0.00	0.00	Packaging 2 - 1 - B4B	
							Packaging 2 - 2 - B4B	
							Packaging 2 - 3 - B4B	
							Packaging 2 - 5 - B4B	
							Packaging 2 - 4 - B4B	
							Packaging 2 - 6 - B4B	
							Packaging 2 - 7 - B4B	
							Packaging 2 - 8 - B4B	
							Packaging 2 - 9 - B4B	
							Packaging 2 - 10 - B4B	
							Packaging 2 - 11 - B4B	
							Packaging 2 - 12 - B4B	
							Packaging 2 - 13 - B4B	<i>OP</i> APR 16 2019
							Packaging 2 - 14 - B4B	
							Packaging 2 - 15 - B4B	
							Packaging 2 - 16 - B4B	
							Packaging 2 - 17 - B4B	
							Packaging 2 - 18 - B4B	
							Packaging 2 - 19 - B4B	
							Packaging 2 - 20 - B4B	
							Packaging 2 - 21 - B4B	
							Packaging 2 - 22 - B4B	
							Packaging 2 - 23 - B4B	
							Packaging 2 - 24 - B4B	
							Packaging 2 - 25 - B4B	
							Packaging 2 - 26 - B4B	
							Packaging 2 - 27 - B4B	



Container No: S172818



Part: D5373-7

Job No: 188601

Serial No/Batch: S172818

Revision: E

Inspector:

Exp Date:

Instructions: Various STC's

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA
TEL.: 1 813 632-5200
Email: sales@dartaero.com
www.dartaerospace.com

Date: 04/18/19

					Packaging 2 - 28 - B4B	
					Packaging 2 - 29 - B4B	
					Packaging 2 - 30 - B4B	
					Packaging 2 - 31 - B4B	
					Packaging 2 - 32 - B4B	
					Packaging 2 - 33 - B4B	
					Packaging 2 - 34 - B4B	
					Packaging 2 - 35 - B4B	
					Packaging 2 - 36 - B4B	
120	QC 6	15 pcs	1/31/19	0.00 0.00	QC 6 - 38	
					QC 6 - 42	
					QC 6 - 9	
					QC 6 - 68	
					QC 6 - 61	
121	HAAS 4 Axis - B4B	15 pcs	1/31/19	0.00 9.87	HAAS - 1 - B4B	
					HAAS - 2 - B4B	
					HAAS - 3 - B4B	
					HAAS - 4 - B4B	
122	QC 2	15 pcs	1/31/19	0.00 0.00	QC 2 - 1	
					QC 2 - 12	
					QC 2 - 14	
					QC 2 - 17	
					QC 2 - 19	
					QC 2 - 2	
					QC 2 - 20	
					QC 2 - 22	
					QC 2 - 23	
					QC 2 - 25	
					QC 2 - 32	
					QC 2 - 33	
					QC 2 - 35	
					QC 2 - 38	
					QC 2 - 39	
					QC 2 - 4	
					QC 2 - 40	
					QC 2 - 44	
					QC 2 - 45	
					QC 2 - 48	
					QC 2 - 49	
					QC 2 - 50	
					QC 2 - 51	
					QC 2 - 52	
					QC 2 - 54	
					QC 2 - 56	
					QC 2 - 57	
					QC 2 - 62	
					QC 2 - 63	
					QC 2 - 8	
123	QC 8	15 pcs	1/31/19	0.00 0.00	QC 8 - 12	
					QC 8 - 14	
					QC 8 - 17	
					QC 8 - 20	
					QC 8 - 25	
					QC 8 - 3	
					QC 8 - 32	
					QC 8 - 33	
					QC 8 - 35	
					QC 8 - 38	
					QC 8 - 39	

DAS
APR 18 2019 40
9-89

19-05-29

19-05-29

9-10-30

					QC 8 - 4	
					QC 8 - 44	
					QC 8 - 45	
					QC 8 - 49	
					QC 8 - 58	
					QC 8 - 8	
					QC 8 - 9	
					QC 8 - 68	
					QC 8 - 67	
					QC 8 - 1 (A)	
130	Small Fab - 2 - B4B	15 pcs	1/31/19	0.00 0.71	Small Fab - 1 - B4B	
					Small Fab - 2 - B4B	
					Small Fab - 3 - B4B	
					Small Fab - 4 - B4B	MAY 30 2019
					Small Fab - 5 - B4B	
					Small Fab - 6 - B4B	
					Small Fab - 7 - B4B	
140	QC 5	15 pcs	1/31/19	0.00 0.00	QC 5 - 10	
					QC 5 - 12	
					QC 5 - 17	
					QC 5 - 18	
					QC 5 - 19	
					QC 5 - 22	
					QC 5 - 24	
					QC 5 - 3	
					QC 5 - 38	
					QC 5 - 42	
					QC 5 - 43	
					QC 5 - 49	
					QC 5 - 51	
					QC 5 - 58	
					QC 5 - 68	MAY 30 2019
					QC 5 - 9	
					QC 5 - 50	
					QC 5 - 30	
150	Packaging 3-1 - Stock - B4B	15 pcs	1/31/19	0.00 0.00	Packaging 3 - 1 - B4B	
					Packaging 3 - 2 - B4B	
					Packaging 3 - 3 - B4B	
					Packaging 3 - 4 - B4B	
					Packaging 3 - 5 - B4B	
					Packaging 3 - 6 - B4B	
					Packaging 3 - 7 - B4B	
					Packaging 3 - 8 - B4B	
					Packaging 3 - 9 - B4B	
					Packaging 3 - 10 - B4B	
					Packaging 3 - 11 - B4B	
					Packaging 3 - 12 - B4B	
					Packaging 3 - 13 - B4B	
					Packaging 3 - 14 - B4B	
					Packaging 3 - 15 - B4B	
					Packaging 3 - 16 - B4B	
					Packaging 3 - 17 - B4B	
					Packaging 3 - 18 - B4B	
					Packaging 3 - 19 - B4B	
					Packaging 3 - 20 - B4B	
					Packaging 3 - 21 - B4B	
					Packaging 3 - 22 - B4B	
					Packaging 3 - 23 - B4B	
					Packaging 3 - 24 - B4B	

				Packaging 3 - 25 - B4B	
				Packaging 3 - 26 - B4B	
				Packaging 3 - 27 - B4B	
				Packaging 3 - 28 - B4B	
				Packaging 3 - 29 - B4B	
				Packaging 3 - 30 - B4B	
				Packaging 3 - 31 - B4B	
				Packaging 3 - 32 - B4B	
				Packaging 3 - 33 - B4B	
				Packaging 3 - 34 - B4B	
				Packaging 3 - 35 - B4B	
				Packaging 3 - 36 - B4B	
160 QC 21 - SA	15 pcs	1/31/19	0.00 0.00	QC 21 - SA - 21	21 MAY 31 2019
				QC 21 - SA - 70	8-30

Part Op 100 - Issue P/O: 042246 Purchase Part Number: 101005-6CR-0150 Supplier: STRATOFLEX Certificate of Descriptions: conformity is required

110 - Receive & Inspect for Damage & Mat'l Certs
 120 - QC6- All purchased or subcontracted products
 121 - (HAAS CNC Vertical Machine), 1- Drill lock wire hole per folio FB505 ***NOTE 8*** DWG REV: MF FOLIO
 REV: 11 2- Deburr
 122 - QC2- Inspect parts off machine FAI/FAIB
 123 - QC8- Inspect parts - second check
 130 - INSTALL LABEL D2729 AS PER DWG NOTES
 140 - QC5- Inspect part completeness to step on W/O
 150 - Identify as per dwg & Stock Location: _____
 160 - QC21- Final Inspection - Work Order Release

Job BOM				
Part / Item	Component Name	Quantity	Operation	Container
101005-6CR-0150	Oil Drain Line - D5373-7	15 pcs (1 ea)	100-Purchasing	<u>5172815</u>
D2182-045	Heat Shrink 4.5" Long	15 pcs (1 ea)	130-Small Fab - 2 - B4B	
D2729-4	Red Decal	15 pcs (1 ea)	130-Small Fab - 2 - B4B	

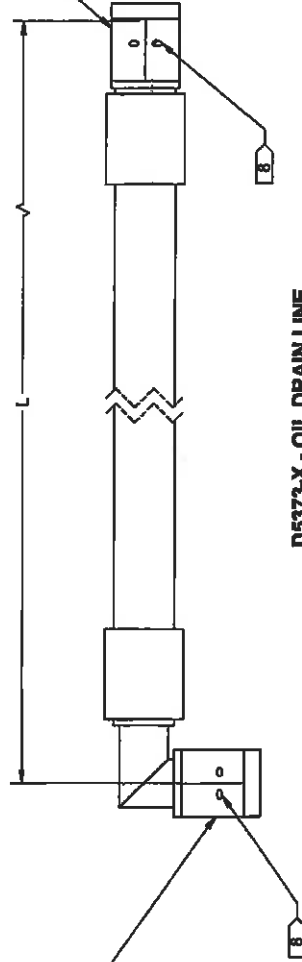
Job Allocations				
Operation	Component Part	Required	Inventory	Allocated
100-Purchasing	101005-6CR-0150	15	0	0
130-Small Fab - 2 - B4B	<u>D2182-045</u> <u>D3158-045</u>	15	90	0
	D2729-4	15	0	0

Part Specifications
Specifications could not be found.

Plex 1/11/19 11:18 AM dart.lavoie.chantal

SPECIFICATION CONTROL DRAWING

STRAIGHT FLARED FITTING
P/N: 413524-6-6CL
(ALT: 413524-6-6CR)



90° ELBOW FLARED FITTING
P/N: 413517-6-6CL
(ALT: 413517-6-6CR)

D5373-X - OIL DRAIN LINE

DART PART NUMBER	DESCRIPTION	MANUFACTURER	MANUFACTURER PART NUMBER	LENGTH "L" (INCHES)	MAX O.D. (INCHES)	MIN I.D. (INCHES)	WEIGHT (LBS)	SPECIFICATION	CONSTRUCTION TYPE	CONSTRUCTION REINFORCEMENT	COVER
D5373-7	OIL DRAIN LINE	STRATOFLEX	101005-6CL-0150 ALT: 101005-6CR-0160	15	0.615	0.298	0.35	AS4887 AND AS150 TYPE 1AB	SEAMLESS, EXTRUDED, CONDUCTIVE POLYTETRAFLUOROETHYLENE	CORROSION-RESISTANT STEEL WIRE BRAID	INTEGRAL SILICONE

NOTES:
1) MATERIAL: PER TABLE
2) FINISH: NONE
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
4) UNITS: INCHES UNLESS OTHERWISE NOTED
5) BREAK SHARP EDGES: N/A
6) IDENTIFICATION: IDENTIFY WITH DART P/N & BIN USING D2728 LABEL INSTALLED WITH D2182-045 HEAT SHRINK
7) WEIGHT: SEE TABLE
8) FOR ALTERNATE PART NUMBERS (101005-6CR-XXXX), DRILL LOCK-WIRE HOLES PER SHEET 7, DETAIL D

RELEASED
2017-09-19
APPROVED

DESIGN	CC	WK	VS	DD	HS	DS	DATE	17.09.11
DRAWN								
CHECKED								
MFG. APPR.								
APPROVED								
DE APPR.								
DART AEROSPACE USA, INC.								
EUGENE, OREGON, USA								
DRAWING NO.								
D5373								
REV. E								
SHEET 3 OF 7								
TITLE								
OIL DRAIN LINE								
SCALE								
NTS								

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Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER PO042246



Supplier: AVI002-VU
Aviall
PO BOX 842267
Dallas, TX 75284-2267 USA
Phone: 905-676-1695
Fax: 905-676-9046

PO No: PO042246
PO Date: 1/11/19
Due Date: 6/18/19
Purchase Order Revision:
Revision Date:
Ship-To Contact: Phone:

*REVISED
del date*

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Via: Ground
Pymt Terms: Net 30
Freight Terms:
Special Comments:

Items

Line Item	Job	Part	Supplier Part No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (USD)	Extended Price
1	188600	101005-4CR-0062		Oil Drain Line - D5373-3	Firmed - X10		6/18/19	10 pcs	0 pcs	10 pcs	\$107.72/pcs	\$1,077.20
2	188601	101005-6CR-0150		Oil Drain Line - D5373-7	Firmed - X15		APR 16 2019	15 pcs	0 pcs	15 pcs	\$201.12/pcs	\$3,016.80
3	185997	101062B0160C270		Oil Drain Line - D5373-11	Firmed -		6/18/19	13 Ea	0 Ea	13 Ea	\$220.40/Ea	\$2,865.20
4	188602	101062D0170C270		Oil Drain Line - D5373-	Firmed -		6/18/19	15 Ea	0 Ea	15 Ea	\$395.55/Ea	\$5,933.25
7		MS21919WCH16		Clamp	Firmed -		2/22/19	10 Ea	0 Ea	10 Ea	\$2.01/Ea	\$20.10
Grand Total:												\$12,912.55

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Hawkesbury, ON
K6A 1K7
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Tel (613) 632-5200

PURCHASE ORDER
PO042246



Order Notes

Procurement Quality Clauses

A005 RIGHT OF ENTRY

A016 PERSONNEL QUALIFICATION

A026 CERTIFICATION OF MATERIAL CONFORMANCE

A032 DOCUMENT SPECIAL REQUIREMENTS

A033 STATEMENT OF CONFORMITY/TEST RECORDS FOR NAS, AN and MS FASTENERS

A040 NOTIFICATION OF QUALITY ESCAPE

A041 QUALITY MANAGEMENT SYSTEM

A042 DART NOTIFICATION BY SUPPLIER

A043 RETENTION OF QUALITY DOCUMENTS

A048 COUNTERFEIT PARTS AVOIDANCE, DETECTION, MITIGATION AND DISPOSITION PROGRAM

A049 SUPPLIER AWARENESS

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 2/1/19 11:42 AM dart.lavoie.chantal



A BOEING COMPANY

PACKING LIST



DELIVERY NUMBER: 8007166403

ROUTE: US FedEx International Priority

PAGE: 1 of 1
DATE: 12APR19
TIME: 14:41:38
EMP: 00020962
ORD TYP: ZOR 132
CURRENCY: USD
TERMS: Net 30

CUSTOMER PO: PO042246
ORDER NUMBER: 1004726651
ORDER DATE: 14JAN19

B 10003951
I DART AEROSPACE LTD
L 1270 ABERDEEN STREET
L HAWKESBURY ON K6A 1K7
T CANADA
O

S 10003951
H DART AEROSPACE LTD
I 1270 ABERDEEN STREET
P HAWKESBURY ON K6A 1K7
T CANADA
O

S 1009
H AVIALL DALLAS HOSE SHOP
I DALLAS HOSE SHOP
P 2755 REGENT BLVD
F DFW AIRPORT TX 75261
R USA
O
M

LINE	PO LINE	MFG	ITEM DESCRIPTION	ORDER QUANTITY	SHIP QUANTITY	QUANTITY BACK ORDER	UOM	CUSTOMER PRICE	EXTENDED CUSTOMER PRICE
00010	0	1S	101005-4CR0062 HOSE: LT PRESSURE, PTFE	10	10	0	EA	107.72	1,077.20
BATCH 100182164									
00020	0	1S	101005-6CR0150 HOSE: LT PRESSURE, PTFE	15	15	0	EA	201.12	3,016.80
BATCH 100182165									

This is not an Invoice.
For payment processing, please refer to Invoice.

The recipient of these goods agrees to comply with all export regulations governing the transfer, sale, lease, or use of these goods.
Diversion contrary to U.S. Law is prohibited.

CERTIFICATE OF CONFORMANCE

It is hereby certified that Aviall Services, Inc., is an approved distributor and meets all requirements of ISO9001, AS9100, AS9120 and AC 00-56 at 2750 Regent Blvd, DFW Airport, Texas. The products, articles or parts referenced on this document are in new or overhauled condition and were purchased from an approved source (FAA, EASA, TCCA, MIL Spec or Commercial). The Original Manufacturers' Certifications are maintained on file at our central office location, and copies are available upon request or at Aviall.com. For overhauled or repaired products, articles or parts, the original FAA 8130-3 / EASA Form 1 (Return to Service) or Yellow Tag, from the FAA/EASA approved Air Agency are attached to the component.

DISCOUNT TERMS APPLY ONLY TO SUB TOTAL. ALL
RETURNED MERCHANDISE SUBJECT TO HANDLING
FEE.
THIS IS TO CERTIFY THAT AVIALL HAS COMPLIED WITH
THE PROVISIONS OF THE FAIR LABOR ACT OF 1938
AMENDED.

12APR19
Date

CUSTOMER COPY



Hose Shop 2755 Regent Blvd. DFW Airport 75261
Phone 972-586-1380 Fax 972-586-1381 www.aviall.com

TSO CERTIFICATION

It is hereby certified that (A) The parts and/or materials reflected herein were produced under Federal Aviation Administration approved manufacturing and quality control system/methods as set forth in the FAA issued technical standard order authorizations (TSOA) issued to Stratoflex and (B) such part and/or materials are new and are in condition for safe operation.

Aviall Order Number: 1004726651

Part Numbers:

1. 101005-4CR0062 10EA.
2. 101005-6CR0150 15EA.

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9-89

Signed: _____

Date: 4-12-19

Aviall is not providing OEM parts. Aviall is an authorized Stratoflex distributor providing TSO assemblies. Numbers referenced per customer requirements are for customer reference ONLY and are in no way intended to be represented as OEM parts. Any reference to an OEM part number does not authorize or reflect installation authority for this part. The installation authority is provided by the mechanic installing this product in accordance with FAR Part 43.

If applicable, satisfactory compliance with the conditions and tests required for TSO approval indicates the hose assembly has met the minimum performance standards as stated in the TSO. Furthermore, it is the responsibility of the installer to determine the installation eligibility and that it will not cause the hose assembly to be subjected to conditions in excess of those for which it has been approved.

mid
11 Jul 2019

Entered: _____ Date: _____

WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No.

19-7313

Route update only

Job:

188601

Part No.

DS373-7

DISPOSITION

Rework ☒
Scrap ☐
Use-as-is ☐

DEPARTMENT/PROCESS

Skid-tube ☐ Eng. (Non-AW) ☐
Machining ☒ Prod. Eng. Coord. ☐
Large Fab ☐ Rec/Store/Packaging ☐
Cross tube ☐
Small Fab ☒
Finishing ☐

Engineering ☐
Water Jet ☐
Supplier ☐
Quality ☐

Date:

14/5/30

Sequence #:

QTY Affected:

Disposition

Description Work Order Deviation

Heat shrink is too small.

Acceptable to substitute
DZ182Z-645 with D3158-645.

DZ182Z & D3158 are the same material
with different C.D.

MRB (QSI042)

1NSP
12 of 14/5/30

Completed by

SB 19/07/10

Lead hand / Supervisor

19-07-10

QA/QA Coordinator

55
9-89

19-07-10

Root Cause

Operator ☐
Manufacturing Process ☐
Equip/Tooling ☐
Handling/Preservation ☐
Material ☒
Product Improvement ☐
Process Improvement ☐
Human Factors ☐

FAULT CATEGORY

Pressure/Forced ☐ Contamination ☐ Power Loss/Surge ☐
Bending ☐ Misaligned/off center ☐ Folio/Program ☐
Crushing ☐ BOM/Route ☐ Grain Direction ☐
Cracks ☐ Broken/Damage/Defect ☐ Weld ☒
Crimp/Kink/Ripple/Wave/Twist ☐ Incomplete/Unclear Instructions ☐ Wrong Stock Pulled ☐
Marks/Chatter ☐ Drill Holes ☐ Out of Sequence ☐
Mislabeled ☐ Fit/Function ☐ Off-set/Set-up ☐
Other/Details:

Positioned Wrong ☐
Outside Tolerance ☐
Drawing ☐
Finish ☐
Part Lost/Missing ☐
Misread ☐